

Herculaneum, Missouri

● Community Advisory Group Meeting

September 20, 2005
 Bruce Morrison, EPA, Toll Free # 1-800-223-0425
 Jim Silver, EPA (636) 475-3926
 Bob Hinkson, MDNR, Toll Free # 1-800-381-4827

Cleanup Progress

- Replacement of contaminated yard soils and interior cleanings are complete for calendar year 2005.
- 407 yards completed.
- 113 home interiors cleaned.

Soil Recontamination Monitoring

- EPA collecting soil samples quarterly.
- Statistical analyses show upward trends in soil lead concentrations within 0.8 mile of smelter.
- Data and statistics available on EPA web site at:
www.epa.gov/region7/cleanup/superfund/major_superfund_site_reports.html
- MDNR statistical analysis updated with most recent data.

Statistics Breakdown for First Quarter 2005

- 42 out of 66 quadrants or 64 percent, show an increasing trend in soil lead concentration.
 - 16 out of 17 residences have at least 1 quadrant with an increasing trend.
 - EPA & MDNR estimated recontamination rates in milligrams lead/kilograms/year:
- | Distance | EPA Quadrant Ranges | MDNR |
|----------------|---------------------|------|
| <0.25 mile | 19.68 – 291.84 | 60 |
| 0.25-0.50 mile | -22.08 – 50.28 | 48 |
| 0.50-0.75 mile | 7.68 – 117.48 | 40 |

Slag Pile

- Slag pile EE/CA approved by EPA and MDNR.
- EPA and MDNR sent additional revision comments on the Wetland Mitigation Plan to Doe Run on May 3, 2005.
- MDNR's August 11, 2005, letter approved use of slag as road base for the new bridge and road.
- Slag pile expansion will be reduced by approximately 3 acres. Awaiting Doe Run's revised drawings & Wetland Mitigation Plan
- Copies of EE/CA are at Herculaneum City Hall and Windsor Branch – Jefferson County Library.

Bridge Construction Status

- Design on the south bridge continues.
- MDNR and EPA approved use of slag as road base material for the new Joachim Creek Bridge.
- Additional funding was awarded for the renovation of the current Joachim Creek Bridge.

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Superfund

0400

Quarterly Newsletter

- EPA will restart the circulation of a newsletter.
- Sent out to each resident every 3 months.
- Will provide a section for health agencies, MDNR, and CAG.

Bioavailability Study

- Swine Study (in-vivo) is complete.
- Yard soil absolute bioavailability above default value.
- Interior dust absolute bioavailability slightly below default value.
- Copies are available for viewing at City Hall.

Lead Speciation Study

- EPA has approved the Speciation Study.
- Study concludes that most of the lead found in samples is derived from smelter activity.
- Copies are available for viewing at City Hall.

Voluntary Property Purchase

As of 9/13/2005

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- Numbers may change - verification continues
 - Terrace Mobile Home Park & a few double counted homes
 - 15 residences did not request appraisals by 12/31/2004
 - 8 purchase offers were not accepted by 8/30/2005
 - 15 purchase offers accepted, but not yet closed

Transportation & Materials Handling

- Awaiting report from Doe Run on new measures.
- Copies of last AGO letter available.

AOC Plans

- Human Health Risk Assessment
 - MDNR/DHSS written comments provided by letter dated July 26, 2005, on RAGS Part D Report
- Sampling and Analysis Plan
- Quality Assurance Project Plan
- Ecological Risk Assessment Plan
- Natural Resource Damage Assessment Plan
 - Draft Characterization Area Investigation Report under review

APCP Updates

- Title V Operating Permit status
- Lead NAAQS violation for 2nd quarter 2005